

100

Fault	Symbol	Effect of Fault	102
Fault in the pressure supply	faulty_pressuresupply= 0	Pressure failure such that the piston can no longer be moved	104
Magnetic valve jammed to back	jam_back_MV	Pressure in rear part of the chamber is higher	106
Magnetic valve jammed to front	jam_front_MV	Pressure in front part of the chamber is higher	108
Jammed piston	jam_piston	Output signal that piston can no longer be moved	110
Sensor for first position is defective	fp_sensor_defect	Sensor always reads 0	112
Sensor for second position is defective	sp_sensor_defect	Sensor always reads 0	114

FIG. 1

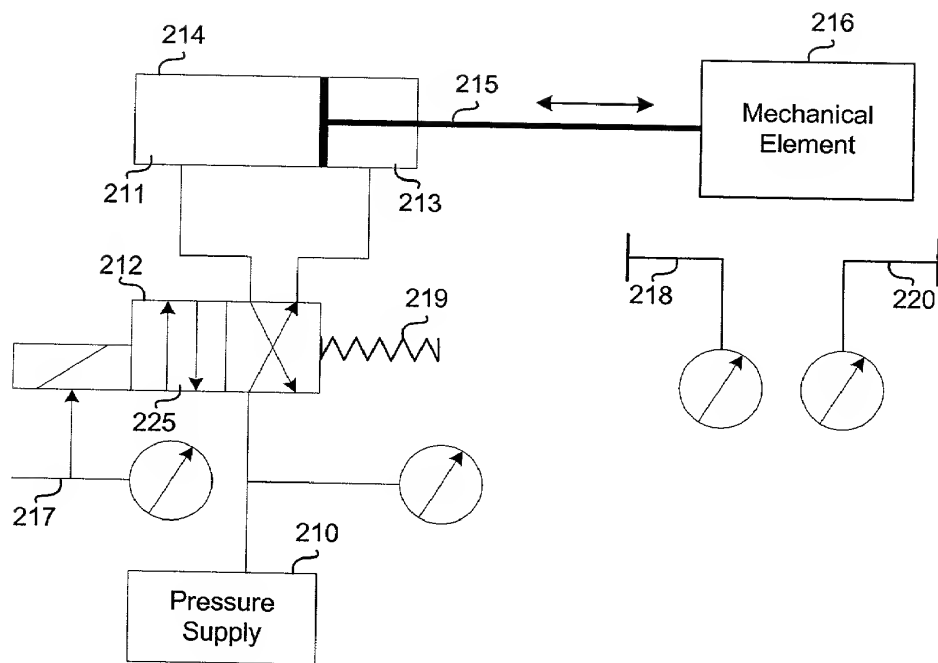


FIG. 2

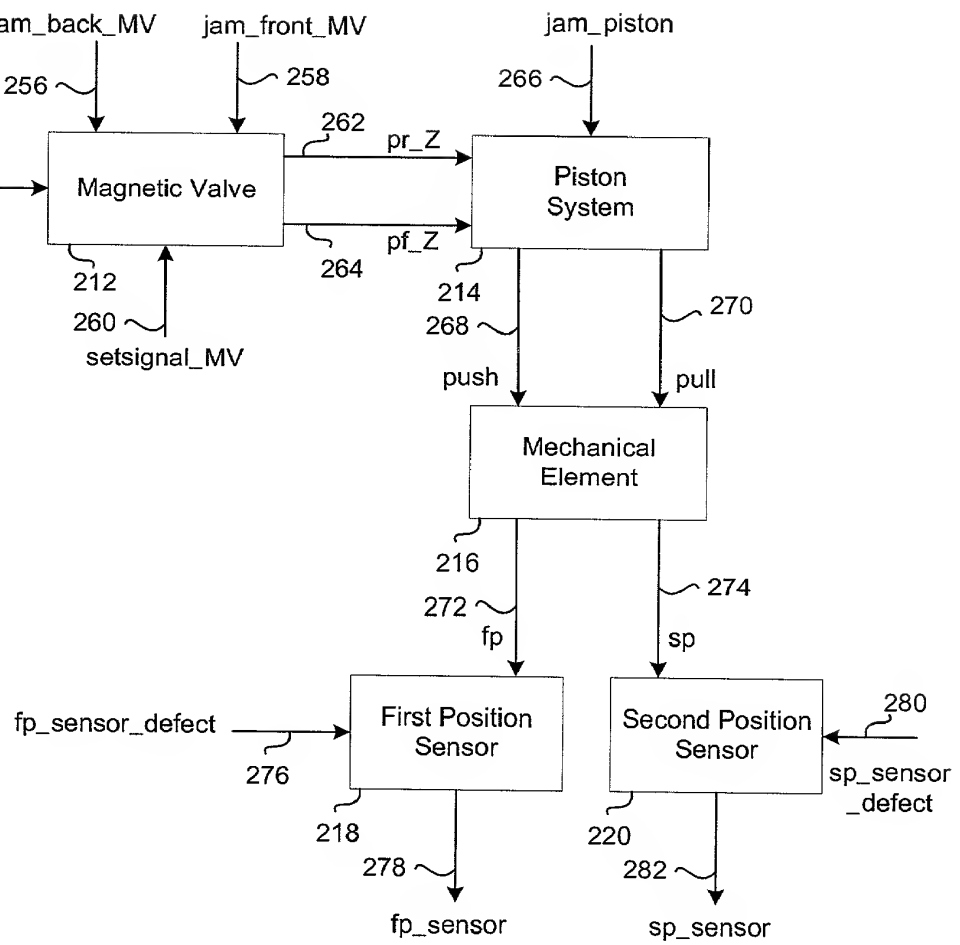


FIG. 3

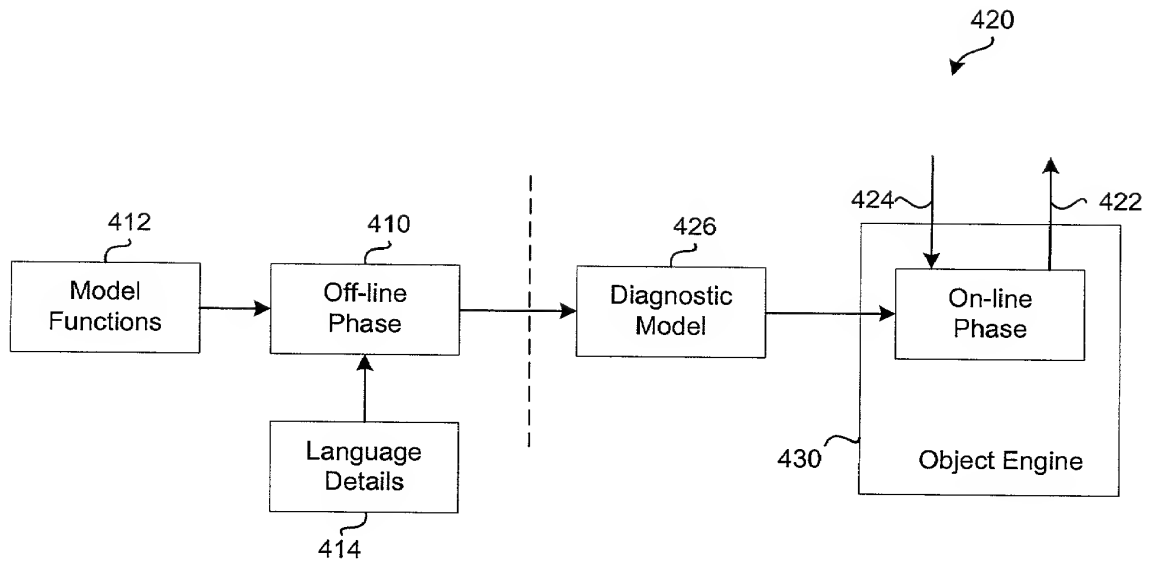


FIG. 4

Message	Diagnostic	
sp_sensor = 0 fp_sensor = 1 p_MV = 1 setsignal = 1	faulty_pressuresupply = 0 fp_sensor_defect = 0	510
sp_sensor = 0 fp_sensor = 0 p_MV = 1 setsignal = 1	faulty_pressuresupply = 0	512
sp_sensor = 1 fp_sensor = 0 p_MV = 1 setsignal = 1	faulty_pressuresupply = 0	514
sp_sensor = 1 fp_sensor = 0 p_MV = 1 setsignal = 0	faulty_pressuresupply = 0	516
sp_sensor = 0 fp_sensor = 0 p_MV = 1 setsignal = 0	faulty_pressuresupply = 0	518
sp_sensor = 0 fp_sensor = 0 p_MV = 1 setsignal = 0	faulty_pressuresupply = 0 fp_sensor_defect = 0.8 jam_back_MV = 0 jam_front_MV = 0 sp_sensor_defect = 0 jam_piston = 0.2 faultygrad = 1	520

FIG. 5